

(A) LENGTH: 797 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U13

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CGGCACGAGG NAGAACCTTT TGACAGAGTT GTTGTCATGG CAACAAAAGC TTCTCTCTCC 60
ATAAAAGGCT TTGCCTTGCT GGTTTCAGTC CTTGTAGCAG TTCCAACAAG AGTGCAATCG 120
ATTGGTGTCT GCTACGGCAT GCTCGGCAAC AATCTTCCCC CGCCAGCGA GGTGGTCAGT 180
CTCTACAAAT CCAACAACAT CGCGAGGATG AGACTCTACG ATCCAAACCA AGCCGCCCTG 240
CAAGCCCTCA GGAAGTCCAA CATCCAAGTC CTGTTGGATG TCCCCGATC CGACGTGCAG 300
TCACTGGCCT CCAATCCTTC GGCCGCCGGC GACTGGATCC GGAGGAACGT CGTCGCCTAC 360
TGGCCCAGCG TCTCCTTTCG ATACATAGCT GTCGGAACG AGCTGATCCC CGGATCGGAT 420
CTGGCGCAGT ACATCCTCCC CGCCATGCGC AACATCTACA ATGCTTTGTC CTCGGCTGGC 480
CTGCAAAACC AGATCAAGGT CTCGACCGCG GTCGACACGG GCGTCCTCGG CACGTCCTAC 540
CCTCCCTCCG CCGGCGCCTT CTCCTCCGCC GCCCAGGCGT TACCTGANCC CCATCGTGCA 600
GTTCTTGGCG ANTAACGGAA CGCCGCTCCT GGTCAATGTG TACCTTATTT TAACTACACC 660
GGCAACCCGG GANAGATCTC GCTGCCTACN CCCTGTTTAC GGCCNCGGGG TCTCNTGCAG 720
GATGGGCGAA TTCNCTATC ANAANCTGTT CANTCCATCT TCNAAACCGG TCTTCCCGGG 780
CTGGAAAAAA TTGGAAG 797

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 792 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U136

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GGCAGGAGGA GAACCCTTTT GACAGAGTTG TTGTCATGGC AACAAAAGCT TCTCTCTCCA 60
TAAAAGGCTT TGCCTTGCTG GTTTCAGTCC TTGTAGCAGT TCCAACAAGA GTGCAATCGA 120
TTGGTGTCTG CTACGGAATG CTCGGCAACA ATCTTCCCCC GCCCAGCGAG GTGGTCAGTC 180
TCTACAAATC CAACAACATC GCGAGGATGA GACTCTACGA TCCAAACCAG GCCGCCCTGC 240
AAGCCCTCAG GAACTCCAAC ATCCAAGTCC TGTGATGATG CCCCCGATCC GACGTGCAGT 300

CACTGGCCTC CAATCCTTCG GCCGCCGGCG ACTGGATCCG GAGGGAACGT CGTCGCCTAC 360
TGGCCCAGCG TCTCCTTTTCG ATACATAGCT GTCGGAACG ANCTGATCCC CGGATCGGAT 420
5 CTGGCGCAGT ACATCCTCCC CGCCATGCGC AACATCTACA ATGCTTTGTC CTCGGCTGGC 480
CTGCAAAACC AGATCAAGGT CTCCGACCGC GGTGACACG GCGTCCTCG GCACGTCCTA 540
10 CCCTCCCTCC CGCCGGNGCC TTCTCTCCG CCGCCCAAGC GTNCTGANCC CCATCGTGCA 600
NTTCTTTGGC GAAATAACGG ANCGCGCTC CCNGGTCCAT GTTTTCCCT TATTTTAACT 660
ACNCCGGCAA CCCNGGAAAG ATTCGCTGC CCTTACGCC CCTGGTTTCC NNGGGGCTTC 720
15 CCGGGCGTTT CTTCTTTGC CAGGGANTNG GGGCGAATC CCNNCTTTTC CANAAACCTT 780
GTTCCAACNC CC 792

(2) INFORMATION FOR SEQ ID NO: 7:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 855 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U21

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CGGCACGAGT CTCTCTCTGT CTCTCCGTCG TCTCGTTGTC TGTCGTTAG GGCTTGCGAT 60
CGCCACCGGT CGCGAGGGTT GGAGCCATGG AATTCTTGCG GTTTGGGGCT GAGGTGGCGG 120
40 CAGGAGAGGA AGCCGCGACG GGGTACTGGA TCGATGGCA GACGCTCGTC TCGCTCTGA 180
TCGTCTGTCG CCCGGCGGTC GCCGCGGTGG TTGTCGCGC GCGGGCGCGC GCGCCGGCGC 240
45 GACCGCTCAG GGCCGTCGAT CTCTGGGCGC CGTGCTGGGC CGGGATGCAC CCGGCCTGGC 300
TTCTCGCGTA CCGCGGCTTC NTGTTCTTGG CCATGGCGTG GCTACTCTTC CANATGATTG 360
TGTTTCGCGG ATTCTCCGCG TTCTACTTCT ATACTCAGTG GACGTTTGCC TTAGTCATTG 420
50 TCTATTTTGC GATCGCAACC ATTATATCCG CCCATGGCTG CTGGCTTTAC TCAAAGAGAA 480
GTATTATGCC AGATCAGGAG GTCAACAGAT TCCTAAATGG TGGTTTTGAG CANAATAGTC 540
55 CTATGACTCT ACCTTTGAGG ACCAACAAAA ATATGAATGT TATAAGATTG CAAAGCTATC 600
NTGAACAGGA NGCTGATGAA NAAAAANCTG GATTTTGGGG TCCTGCTATG CNACTNGTCT 660
ATCAAAACCA TTGCANGTGC TGTAATTGTT GAAANACATT GTATTTTGGG NTCNTNCTAA 720
60 TACCATATTT GTCTTCTATA AATTTAGGC TAAATGCTAT AATGGGCTGC ATGCATTCTC 780
TTAATGCTGT GTTCTTTCNA ATCCAACACT TTTCTCAATA ACCTGCCATT CCCNTNTTTC 840
65 NAATGGCATT TTTGC 855

(2) INFORMATION FOR SEQ ID NO: 8:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 722 base pairs
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U31

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

CGGCACGAGA GAGAGAGAGA GAGAGAGAGA GAGAGAGAGA GAGAGAGAGA	60
GAGAGAGAGC CTAGACCGGC ATCNTCGTGC TTGCCGAGGG GCGGCTTATG ANTCTTGGTT	120
GTGCCACTGG GCATCCCAGC TTCGTCTGT CCTGCTCCTT CACCANCCAN GTGATNGCAC	180
NACTGGANTT ATGGANGGAA ANGCGACCG GCNNGTACGA NAAGAANGTC TATGTGCTGC	240
CCANGCNTCT GGATGAGAGG GTGGCNGCGC TCCNCCTCGG CAAGCTGGGT GCCNCGCTCA	300
CCNAGCTTAC NCCNTCGCGG GCTGATTACA TTAGCGTCCC GATCGAGGGA CCCTACANGC	360
CTGCTCACTA CNGGTATTNG GGTGCTTNT GCNAGAGACG ATGATNATAN NTCGGAGCAC	420
TGGCNTTTTC GACTANNAGT TTGACCGATG GCTATGTTTC TTTTGCTTTT CACCTTTTGT	480
CTTCCCATCT TTGCTGGTTC ACCTATGGAC GTTTGTTCCA TTTGGATGTN NTGAGAAATG	540
CTGATGGCAT TTTTCGAAAN AAAAANATNT AAAATCNCGA GAGTTCTTCT ANAGCGGCCG	600
CGGGCCNCTC NNTTTTCCCC CGGGTGGGGT ACCANGTTG TTGTNCCCNT TCCCCCTNTT	660
TGAGTCCTTT TACTNCCCCT GGCCGTCGTT TTATACNTCG TTGACTGGGA ANACCCTGCC	720
NT	722

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 793 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U131

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

GGCAGGAGCC TTGCCCAACT CCTTCGATTC GTTCCAACGA TCGGAGAATG GCGCTGCTGG	60
TGGAGAANAC GTCGACGGGA CGCGAGTACA AGGTGAAGGA CCTTTCTCAG GCTGACTTCG	120
GCCGCCTCGA GATCGAGCTG GCGGAGGTGG AGATGCCGGG CCTCATGGCG TGCCGCGCCG	180
AGTTCTGGGC CGCCAAACCT TTCGCCGGCG CCCGCATCTC CGGCTCCCTC CACATGACCA	240
TCCAGACCGC CGTCCTCATC GAGACCCTCA CCGCCCTCGG TGCTGAAGTC CGGTGGTGCT	300
CCTGCAACAT CTTCTCCACC CAGGACCACG CCGCTGCCGC CATTGCCCGC GACTCCGCCG	360
CCGTCTTCGC CTGGAAGGGA GAGACCCTCG CCGAGTACTG GTGGTGCACC GAGCGATGCC	420